

Sling 912iS Checklist

PRE-FLIGHT

Cockpit

Lanes – Off
 Master/EFIS 1/EFIS Bkup – On
 All Lights – On, check, then off
 Flaps – Fully Extend
 Fuel – Check Quantity
 Hobbs Time - Record
 Master/EFIS 1/EFIS Bkup – Off
 Controls – Check
 Canopy – Clean
 Fire Extinguisher – On board
 A.R.O.W – On Board

Left Wing

Main Gear – Check Pressure, Wheel Pant secure, Chock removed, No Leaks
 Flaps – Hinges, Bolts, Rods Secure
 Ailerons – Hinges, Bolts, Rods Secure, Moves Freely
 Wing Tip & Light – Secure
 Leading Edge – Undamaged
 Tie Down – Remove
 Fuel Vent – Check
 Pitot Tube – Clear & Secure
 Fuel Cap – Remove, Visually Check Level, Replace & Lock
 Fuel – Drain & Check
 Fairings – Check & Secure

Cowling

Cowling – Check & Secure
 Prop & Spinner – Check & Secure
 Nose Gear – Check Pressure, Wheel
 Pant secure, Chock removed, Suspension Test
 Air Intakes – Check
 Radiators – Check for blockage
 Oil & Coolant – Check level
 Parachute Housing Cover – Check

Right Wing

Fairings – Check & Secure
 Fuel – Drain & Check
 Fuel Cap – Remove, Visually Check Level, Replace & Lock
 Fuel Vent - Check
 Leading Edge – Undamaged
 Wing Tip & Light – Secure
 Ailerons – Hinges, Bolts, Rods Secure, Moves Freely
 Flaps – Hinges, Bolts, Rods Secure
 Main Gear – Check Pressure, Wheel Pant secure, Chock removed, No Leaks

Fuselage/Empennage

Right Static Port – Clear
 Fairing – Secure
 Vertical Stabilizer – Secure
 Horizontal Stabilizer – Secure
 Elevator – Hinges, Bolts, Rods Secure, Moves Freely
 Rudder – Hinges, Bolts, Cables Secure
 Tie Down – Removed
 Left Static port – Clear

INTERIOR

Passenger Briefing

Light Sport Aircraft

Seat Belt Use

Motion Sickness

Emergency/Exit Procedures

Fire Extinguisher

PTT Button/Radio Silence during Tx

Parachute Operation (if installed)

Canopy Operation

Rudder Pedals

Lanes and Fuel Pumps – No touch

Traffic Awareness

Sling 912iS

	Min.	Op. Range	Max.
Oil Temp	120	190-230	265
Oil Press.	15	30-75	100
CHT	NA	165-230	275

SQUAWK CODES

1200 – VFR
7500 – Hijacking
7600 – Lost Comms.
7700 – Emergency

ENGINE START

Key -- In Ignition
 Master -- On
 LANE A Switch -- On
 LANE B Switch -- On
 Main Fuel Pump -- On
 EFIS Bkup -- On (if installed)
 EFIS 1 -- On
 Flaps -- Takeoff Position (1)
 Strobe -- On
 Fuel Selector -- Low Tank
 Brakes -- Hold and Lock
 Throttle Lever -- Cracked Slightly
 Trim -- Neutral
 ECU Bkup -- On, watch for fuel PSI in green and Lane Lights to extinguish
 ECU Bkup -- Off
 Prop -- CLEAR PROP
 Engine -- Start
 Oil Pressure -- Check
 Lane Lights - Check off in 5 secs
 Check Alternator >13.8V – 2500 RPM
 EFIS 2 -- On
 Avionics Switch -- On
 Throttle Lever -- 2000 RPM

BEFORE TAXI

ATIS/AWOS -- Copy
 Altimeter --Set
 Transponder -- Set
 Taxi Light -- On
 Seatbelts -- Check
 Brakes -- Test
 Contact Ground

RUN-UP

FACE INTO WIND – if possible
 Brakes -- Set & Hold
 Pilot Briefing -- Complete
 Controls -- Box Check
 Fuel Selector -- High Tank
 Engine -- 4000 RPM
 LANE A Check -- 0/180 RPM
 LANE A - ON
 Wait for lamp off 5 sec
 LANE B Check -- 0/180 RPM
 LANE B - ON
 Wait for lamp off 5 sec
 Fuel Pumps - Check
 (5 Secs Off each – check PSI stable)
 Throttle -- Idle RPM Check
 Throttle -- Set 2000 RPM
 Breakers -- Check
 Engine Instru. -- Check (All Green)
 Altimeter -- Verify
 Flight Instru. - Check and Verify
 Navigation - Set

BEFORE TAKEOFF

Transponder -- Set
 Trim -- Neutral
 Fuel Pumps -- Both On
 Flaps -- Takeoff Position (1)
 Seat Belts -- Check
 Canopy -- Closed & Locked

-----RUNWAY-----
 Lights -- On
 Runway Alignment – Verify
 Stopwatch -- Set

Sling 912iS

V_R – 45 kts

V_{SO} – 40 kts

V_{S1} – 45 kts

V_{FE} – 85 kts

V_X – 65 kts

V_Y – 72 kts

V_A – 91 kts

V_{NO} – 110 kts

V_{NE} – 135 kts

Best Glide – 72 kts

Max X-wind – 15 kts

Ceiling – 12,000 ft

CLIMB

Flaps - Up
 Power – Max Cont. 5500 RPM
 Climb Speed – 72kts
 Cruise Climb – 75 to 90 kts
 Instrument & Heading – Check

CLEAR OF RUNWAY

Transponder - Set
 Aux Fuel Pump - OFF
 Flaps – Up
 Lights – As Required
 Contact Ground

CRUISE

Power – 5000 (Max Cont. 5500 RPM)
 Instruments – Check
 Aux Fuel Pump – OFF
 Lights – As Required
 Fuel Selector – Switch Every Hour
 (Aux Pump On During Switch)

SHUTDOWN

Engine – Idle
 Brake -- Set
 Lights -- All Off Except Strobe
 Switches -- Off
 (EFIS 2, Cabin Light, A/P, Avionics)
 Lane B Switch – Off
 Lane A Switch -- Off
 Master – Off
 Key -- Remove from Ignition
 Fuel Pumps – Both Off
 Hobbs -- Record
 EFIS/EFIS Bkup -- Off

DESCENT

ATIS/AWOS -- Copy
 Altimeter -- Set
 Aux Fuel Pump -- On
 Fuel Selector -- Fullest Tank
 Lights – As Required
 Seatbelts -- Check
 Approach Brief -- Complete

BEFORE LANDING

Engine Instruments – Check
 Fuel Quantity – Check
 Aux Fuel Pump – Verify On

Abbreviated Emergency Checklist

ENGINE FAIL - TAKEOFF RUN

Power – Idle
 Lanes – Off
 Brakes – Apply as Needed
 Electrical & Master Switches – Off
 Fuel Valve & Pumps – Off

ENGINE FAIL – AFTER T/O

Airspeed – Check (72 KIAS)
 Best Field
if <600 AGL: Don't turn >45° off heading
if >600 AGL: Consider Return to Rwy
 Flaps – As Needed
 Throttle – As Needed
After Touchdown - Secure
 Lanes and Fuel Pumps – Off
 Fuel Selector & Valve – Off

ENGINE ISSUES in FLT

TroubleShoot
 Check throttle position – 72 KIAS
 Check Engine & Fuel Gauges
 Switch Fuel Valve to Fuller Tank
 Fuel Pump – Both On
 Lanes – Check and Reset if Necessary
 Land ASAP

ENGINE RESTART in FLT

Fuel Pumps – On
 Fuel Selector – Ensure On
 Throttle – Set to Middle Position
 Master & Electrical Switches – On
 Lanes A and B – On
 Starter – Engage
if no restart retry w/ECU backup on, still no restart - Land ASAP

FIRE PROCEDURES

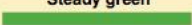
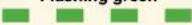


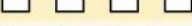

If in Flt, pitch for 135 kts, find emergency landing area
 Heating – Close
 Fuel Selector – Close
 Throttle – Full Power
 Lanes and Fuel Pumps – Off after engine stops
Land ASAP, Stop, & Egress
Extinguish Fire or call Fire Dept.

EMERGENCY OFF-FIELD LAND

Proper Speed & Trim – 72 kts
 Head for Field & Determine Wind
 Safety Harness – Tighten
 Engine Restart – if time permits
 Flaps – As Needed
 Communicate Out
Flt Facility or 121.5, ID , Emg., WX, Intent & Rqsts, Pos., Head. & Alt, Fuel, SOB, ELT, Sqk 7700
 Communicate In
Egrss Procds, Cell & Radio use, ELT, Hammer, Fire Ext, Chute for Shelter, Direction & Distance to help
 If no Engine Restart:
 Fuel Selector & Pump– Off
 Lanes - Off
 Master & Electrical Switches – Off

SPIN RECOVERY

Power – Idle
 Ailerons – Neutral
 Rudder – Full Opposite
 Elevator – Break Stall then recover

Color and Type of Signal	Movement of Vehicles, Equipment and Personnel	Aircraft on the Ground	Aircraft in Flight
Steady green 	Cleared to cross, proceed or go	Cleared for takeoff	Cleared to land
Flashing green 	Not applicable	Cleared for taxi	Return for landing (to be followed by steady green at the proper time)
Steady red 	Stop	Stop	Give way to other aircraft and continue circling
Flashing red 	Clear the taxiway/runway	Taxi clear of the runway in use	Airport unsafe, do not land
Flashing white 	Return to starting point on airport	Return to starting point on airport	Not applicable
Alternating red and green 	Exercise extreme caution!!!!	Exercise extreme caution!!!!	Exercise extreme caution!!!!